

### **AMENDMENTS TO THE CLAIMS:**

Please cancel claims 12-21, 23, 24 and 30-39 and amend claims 8, 22 and 26 as follows. This listing of claims will replace all prior versions and listings of claims in the application.

1-7. (Cancelled).

8. (Currently Amended) A method in a data processing system having a lookup service with associated services available ~~for use in the data processing system to clients~~, comprising the steps of:

maintaining a lookup service, the lookup service comprising a ~~flat~~ collection of service items, the service items containing one of (a) a stub or (b) a serialized object for use in accessing at least one of the services;

receiving a request to update the lookup service; and

updating the lookup service such that the associated services unaffected by the update continue to be available for use while the update occurs; and

responsive to a determination that the update to the lookup service corresponds to a selected parameter, providing a notification to a client that requested the notification by including a corresponding parameter in a request.

9. (Original) The method of claim 8 wherein the updating step includes the step of:

associating a new service with the lookup service.

10. (Original) The method of claim 8 wherein the updating step includes the step of:

disassociating one of the associated services from the lookup service so that the one service is no longer available for use.

11. (Original) The method of claim 8 wherein the associated services have attributes and wherein the updating step includes the step of:

modifying the attributes of one of the associated services.

12-21. (Canceled)

22. (Currently Amended) A data processing system comprising:

a memory containing:

a lookup service comprising a ~~flat~~ collection of service items, the service items containing one of (a) a stub or (b) a serialized object for use in accessing services that are available for use;

a first client ~~for~~, the first client:

updating the lookup service; and

monitoring for updates to the lookup service corresponding to

notification requests; and

notifying a second client when an update to the lookup service

matches at least one parameter of a notification request by the second

client; and

a ~~second~~ third client for utilizing the lookup service while the first client is updating the lookup service; and

at least one processor for running the lookup service, the first client, ~~and the second client,~~ and the third client.

23-25. (Cancelled).

26. (Currently Amended) A computer-readable medium containing instructions for controlling a data processing system to perform a method, the data processing system having a lookup service with associated services available ~~for use in the data processing system to clients,~~ the method comprising the steps of:

maintaining a lookup service, the lookup service comprising a ~~flat~~ collection of service items, the service items containing one of (a) a stub or (b) a serialized object for use in accessing at least one of the services;

storing information reflecting requests from clients to be notified upon the occurrence of events;

receiving a request to update the lookup service; ~~and~~

updating the lookup service such that the associated services unaffected by the update continue to be available for use while the update occurs; and

responsive to a determination that the update to the lookup service corresponds to an event for which at least one client requested notification, notifying the at least one client reflected by the stored information.

27. (Original) The computer-readable medium of claim 26 wherein the updating step includes the step of:

associating a new service with the lookup service.

28. (Original) The computer-readable medium of claim 26 wherein the updating step includes the step of:

disassociating one of the associated services from the lookup service so that the one service is no longer available for use.

29. (Original) The computer-readable medium of claim 26 wherein the associated services have attributes and wherein the updating step includes the step of:

modifying the attributes of one of the associated services.

30-39. (Canceled)